

**Funding Arrangement
Between the
Department of Energy of the United States of America
and the
Institute of Endocrinology and Metabolism
for the U.S.-Ukraine Thyroid Study**

1. Background and Purpose

Under the auspices of the Joint Coordinating Committee for Civilian Nuclear Reactor Safety established by the Memorandum of Cooperation in the Field of Civilian Nuclear Reactor Safety signed on October 26, 1993, and extended by the United States and Ukraine on February 4, 1994, (hereinafter referred to as the MOC), the Department of Energy of the United States of America (DOE) and the Ministry of Health of Ukraine signed an Arrangement for Cooperation on May 10, 1995, to implement the Scientific Protocol for the Study of Thyroid Cancer and other Thyroid Disease in Ukraine following the Chernobyl Accident (hereinafter referred to as the UkrAm Thyroid Study)¹.

DOE and the Institute of Endocrinology and Metabolism (IEM) (hereinafter referred to as the Implementing Organizations) hereby establish the framework for the contribution, receipt, distribution, and accountability of funds to be provided by DOE in support of research activities to implement the May 10, 1995, Arrangement. The format for financial reporting requirements is described in Annex I.

Separate arrangements are being utilized to procure equipment and supplies used in the study, and \$500,000 from the U.S. Government are allocated for this purpose.

2. Implementing Organizations

This arrangement shall be implemented by the Director, Office of International Health Programs, of DOE and the Director of the IEM in Kiev, Ukraine.

3. Scope

This arrangement applies to funds transferred by the DOE to IEM for the purpose of support and services for activities directly related to the UkrAm Thyroid Study. The tasks and subtasks directly related to the study are detailed in Annex II.

¹ The U.S. agencies working together on this protocol are the DOE, the National Cancer Institute and the Nuclear Regulatory Commission.

4. Project Costs

Pursuant to the MOC and in furtherance of the Arrangement for Cooperation signed on May 10, 1995, DOE agrees to provide to the Director of IEM, under the terms and conditions in this arrangement and subject to the laws governing DOE, U.S. funds to be allocated, distributed, and used solely to defray additional/supplemental personnel costs incurred on work directly related to the development and implementation of the UkrAm Thyroid Studies. DOE will contribute a total of \$80,000 in U.S. currency as set forth in Section 5.

5. Contributions

5.1 DOE's contribution to the project will be provided every three (3) months for a one (1) year time period. DOE will contribute a total of \$20,000 in U.S. currency in each increment. DOE agrees to provide the first \$20,000 increment in U.S. currency upon fulfillment of the following conditions:

- (a) signature of this arrangement by both Implementing Organizations;
- (b) receipt by DOE of, and concurrence by both Implementing Organizations in, the milestones agreed to by U.S. and Ukraine for the first three (3) month funding period, set forth in Annex II;
- (c) receipt by DOE of an invoice from IEM that follows the format indicated in Annex I and includes the projected number of man-months to be worked to accomplish the tasks and subtasks for the first three (3) months as indicated in Annex II; and
- (d) a letter from Ukrainian National Office of International Projects (UNOIP) indicating that the funds will be used to support the UkrAm Thyroid Study, that the funds will be exempt from taxes and duties other than the 4 percent fee charge from the UNOIP consistent with Article III of the MOC, and providing the bank information necessary for the wire transfer of funds.

5.2 DOE will provide subsequent contributions for each increment provided that DOE receives the following:

- (a) an appropriate expenditure report for the previous three (3) months using the format specified in Annex I;
- (b) a brief report on the progress on tasks and subtasks stipulated or identified for the milestones/subtasks accomplished in the previous funding period as specified in Annex II with emphasis on the milestones for that period;

- (c) updated milestones covering the next three (3) months; and
- (d) an invoice from the ^{IEM} ~~Ministry of Health~~ describing the number of person-months anticipated to accomplish the updated milestones and maintain work on all the tasks in the next three (3) months.

Reports shall be sent to the DOE Office of International Health Programs with copies sent to the National Cancer Institute.

- 5.3 DOE's contributions under paragraphs 5.1 and 5.2 will be transferred directly to UNOIP to be used for the account of IEM. DOE's contribution will not be subject to taxes, duties, or other handling or administrative charges beyond modest bank transfer fees and the 4 percent fee charge by UNOIP.
- 5.4 Six (6) months after the effective date of this arrangement, DOE may decide to increase the amount of its contribution for the remainder of the year. DOE's decision to increase its contribution will be based on factors including, but not limited to: (a) the availability of funds; (b) progress made by the Institute during the previous six (6) months; and (c) based on such progress, the conclusion that a significant increase in man-months of effort would be necessary to meet the milestones for the remainder of the year.

6. Allocation and Expenditure of Funds

IEM will allocate and spend funds contributed by DOE in the following manner:

- (a) No more than ten (10) percent of the total of funds contributed to DOE shall be used for administrative or indirect costs of the UkrAm Thyroid Study;
- (b) Up to ten (10) percent of the total of all DOE monies may be spent for travel directly related to the UkrAm Thyroid Study;
- (c) The remainder of such funds shall be allocated and expended for supplementary personnel support. Personnel support includes primarily direct salary supplementation allocated and paid to individual project personnel based on the relative effort each person spends on the UkrAm Thyroid Study; and
- (d) IEM will pay individual project support personnel a minimum of \$50 in U.S. currency per month with a maximum five-fold increase depending upon the level of responsibility in the project, and will pay individual professional staff a minimum of \$100 per month in U.S. currency with a maximum five-fold depending upon the level of responsibility in the project.

7. Oversight

DOE representatives may visit IEM to review the administration of the UkrAm Thyroid Study and the accounting for the expenditure of U.S. funds at intervals not to exceed every six (6) months. IEM will provide office space in Kiev, and necessary information and assistance, to the DOE representative.

8. General Provisions

8.1 Cooperation under this arrangement will be in accordance with the laws and regulations under which each Implementing Organization operates. The implementation of this arrangement is subject to the availability of appropriated funds and to the mutual consent of the Implementing Organizations.

8.2 All questions related to the interpretation of this arrangement arising during its term shall be settled by mutual agreement.

9. Amendment and Termination

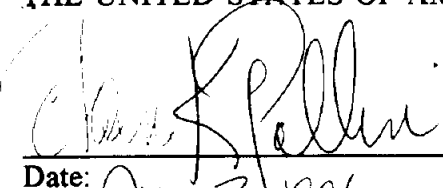
9.1 This arrangement may be amended at any time by mutual consent.

9.2 This arrangement may be terminated by either Implementing Organization upon ninety (90) days written notice to the other Implementing Organization.

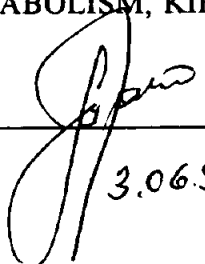
10. Effective Date and Duration

This arrangement shall become effective upon the date of last signature, and shall remain effective for one (1) year.

FOR THE DEPARTMENT OF ENERGY
THE UNITED STATES OF AMERICA


Date: June 3 1996

FOR THE INSTITUTE OF
ENDOCRINOLOGY AND
METABOLISM, KIEV, UKRAINE


Date: 3.06.96

FUNDING ARRANGEMENT
Between the Department of Energy of the United States of America
and the Institute of Endocrinology and Metabolism
U.S.-Ukraine Thyroid Study

Purpose:

The purpose of this Funding Arrangement is to establish the framework for the receipt, distribution, and accountability of funds to be provided by the U.S. Department of Energy (hereinafter referred to as the DOE) to the Institute of Endocrinology and Metabolism (hereinafter referred to as IEM) in support of research activities carried out in accordance with the "Letter Arrangement for Continuing Cooperation on the Implementation of the Scientific Protocol for the Study of Thyroid Cancer and Other Thyroid Disease in Ukraine Following The Chernobyl Accident," which was signed on 10 May 1995¹. Separate arrangements are being utilized to procure equipment and supplies used in this study. At the present time, \$500,000 of monies from the United States Government have been allocated for the purchase of supplies and equipment for this study. The format for financial reporting requirements is described in Annex I. The tasks/subtasks to be done under this Arrangement is detailed in Annex II. The project will be referred to as the UkrAm Thyroid Study.

Parties:

The responsible parties will be the Director, Office of International Health Programs of the U.S. Department of Energy, and the Director of the Institute of Endocrinology and Metabolism in Kiev, Ukraine.

Scope:

The scope of the Arrangement pertains only to those funds transferred directly by the DOE to IEM for the purpose of support and services for activities directly related to the UkrAm Thyroid Study. Monies directed to Ukraine in the framework of agreement on "Scientific Protocol of Thyroid Cancer and Other Thyroid Disease in Ukraine Following Chernobyl Accident" have the character of charitable donations to support non-profit scientific activity of Ukrainian scientists who are working on the questions of the execution of this agreement.

Areas of Agreement:

1. The DOE will provide to the Director of the IEM, U.S. monies to be allocated, distributed, and used solely for the development and implementation of the UkrAm Thyroid Study as described below.
2. The U.S. will contribute a total of \$20,000 every three months for a one-year time period (one-year U.S. contribution = \$80,000) to provide supplemental personnel support and travel costs for work related to the UkrAm Thyroid studies.
3. The first transfer of U.S. monies will be initiated in the amount of \$20,000, conditional upon:
 - o the signing of this document
 - o concurrence on the milestones in Annex II for the first three months
 - o the receipt of:
 - (a) Annex II which describes the tasks, subtasks, and milestones agreed to by the U.S. and Ukraine for the first three month funding period;
 - (b) an invoice from IEM that follows the format indicated in Annex I and includes the projected number of man-months to be worked to accomplish the tasks, subtasks and

¹ The U.S. agencies working together on this protocol are the DOE, the National Cancer Institute and the Nuclear Regulatory Commission..

milestones for the first three months as indicated in Annex II;

- (c) a letter from Ukrainian National Office of International Projects (UNOIP) indicating that the funds will be used to support the UkrAm Thyroid study and that they will be exempt from taxes and duties other than the 4 percent fee charge from the UNOIP; and
 - (d) a letter from the UNOIP providing the bank information necessary for the wire transfer of funds.
- 4. Six months after initiating this agreement, DOE will consider the possibility of increasing the funding level for the remainder of the year. DOE's decision will be based on (a) the availability of U.S. DOE funds for this project, (b) progress during the previous six months and (c) based on this progress, that the milestones for the remainder of the year require a significant increase in man-months of effort.
- 5. U.S. monies will be allocated in the following manner by the IEM:
 - o No more than ten percent of the total of all DOE monies shall be used for administrative or indirect costs directly related to the UkrAm Thyroid Study;
 - o Up to ten percent of the total DOE monies may be spent for travel directly related to the UkrAm Thyroid Study; and
 - o The remainder of the monies shall be allocated for supplementary personnel support. Personnel support is understood to include primarily direct salary supplementation allocated to individual project personnel based on the relative effort each person spends on the UkrAm Thyroid Study and their professional duties in the study. Funds will be allocated in two categories: support personnel will be paid a minimum of \$50 per month with a maximum five-fold increase depending upon the level of responsibility; professional staff will be paid a minimum of \$100 per month with a maximum five-fold increase depending on the position of responsibility.
- 6. U.S. monies will be transferred directly to the UNOIP to be used for the account of the IEM. The U.S. monies will not be subject to taxes, duties, or other handling or administrative charges beyond modest bank-transfer fees and the 4 percent fee charge by the UNOIP.
- 7. Subsequent funding for each quarter will be transferred provided that the DOE is in receipt of:
 - o An appropriate expenditure report for the previous funding period using the format specified in Annex I;
 - o A brief report on the progress on tasks and subtasks stipulated or identified for the milestones/subtasks accomplished in the previous funding period as specified in Annex II with emphasis on the milestones for that period;
 - o Updated milestones covering the next funding period; and
 - o An invoice from the IEM describing the number of person-months anticipated to accomplish the updated milestones and maintain work on all the tasks in the next funding period.
- 8. Reports are to be sent to the DOE Office of International Health Programs with copies sent to the National Cancer Institute.

Oversight:

At intervals not to exceed every six months, U.S. representatives may visit IEM to review the administration of the UkrAm Thyroid Study and the accounting for the expenditure of U.S. funds. IEM will provide office space and necessary information and assistance to the U.S. representative while in Kiev.

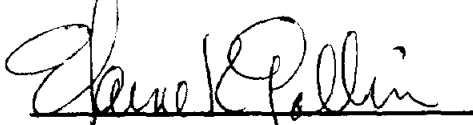
General Provisions:

Cooperation under this Agreement will be in accordance with the laws and regulations under which each party operates. Monies shall be provided subject to the availability of appropriated funds and to the mutual consent of the two parties.

Entry into Force and Terminations:

This Funding Agreement is subject to the availability of U.S. DOE funds, and shall enter into force upon signing by both parties and remain in force for one year from the later of the two dates of signing. This Agreement may be amended at any time by mutual consent of the parties. This Agreement may be terminated by either party upon ninety days written notice to the other party.

**For the U.S. Department of Energy
Office of Health Studies**


Date: 3.06.96

**For the Institute of Endocrinology and
Metabolism, Kiev, Ukraine**


Date: 3.06.96

ANNEX II

Definition of Terms:

Tasks Broad project functions, most of which are expected to continue throughout the project.

Subtasks Specific aspects of individual tasks.

The UkrAm Thyroid Study will consist of a number of tasks. Some of these tasks may begin or be completed at different times, while others, such as the clinical examination of the cohort and dose estimation, are expected to continue for many years. As the study progresses, some tasks may be re-defined and others added.

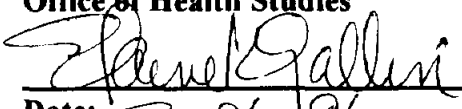
It is expected that during each funding period work will progress on many, if not all of the tasks and subtasks. However, certain subtasks have been chosen to use as indicators of the progress of a particular task during a given funding period. These are referred to as milestones.

The milestones chosen for the first three months are indicated by asterisks. It is expected that at the end of the first funding period, a brief narrative progress report covering the progress for each task will be submitted to DOE. In this report special emphasis will be placed on describing the accomplishment of the subtasks identified as milestones for that time period.

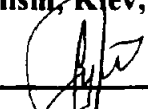
	Task	man x month
1	<p>The management and administration</p> <p>*1.1 Define organizational structure of the Thyroid Study and identify persons responsible for each task. 2.0</p> <p>*1.2 Identify personnel to accomplish the Project. 2.0</p> <p>1.3 Start to equip the office and other required spaces with all necessary facilities. 2.0</p> <p>1.4 Start to develop operations manual for the Project. 8.0</p> <p>1.5 Develop study forms according to the Protocol. 8.0</p> <p>1.6 Establish quality control for the Project. 1.0</p> <p>*1.7 Select members of the Oversight Committee, define its function and working schedule. 1.0</p> <p>1.8 Provide continuous communication between the Ukrainian and American sides by means of oral and written translations (both from English and into English). 3.0</p>	
2	<p>The establishment of the cohort</p> <p>*2.1 Define eligibility criteria. 1.0</p> <p>2.2 Start to identify location of some subjects from cohort, establish contact with these subjects. 6.0</p>	
3	<p>Bring in subject for endocrinologic screening</p> <p>*3.1 Prepare letters of invitation. 1.0</p> <p>3.2 Test various appeals to the subjects, make a schedule for their examination. 1.0</p>	
4	The endocrinologic examination of the subjects	

	*4.1 Train specialists for screening, carry out certification. 4.2 Obtain, install equipment for screening and start its operation. 4.3 Consider filling in the study forms. 4.4 Provide storage of reagents, inventory control.	15.0 3.0 2.0 2.0
5	The establishment and operation of the central laboratory *5.1 To prepare space for ultrasound examination, fine-needle aspiration biopsy. 5.2 Complete preparations for storage of blood. 5.3 Adapt software for ultrasound examination.	0.5 0.5 3.0
6	The establishment and operation of Data Coordinating Center *6.1 Equip rooms with technical facilities. *6.2 Design software for archival storage of the examination data.	1.0 5.0
7	Pathology support for diagnosis of various forms of thyroid pathology *7.0 Collection of morphologic material (establishing morphologic bank) in the raions covered by the cohort so that this morphologic material is ready for analysis by the moment when the cohort is established. 7.1 Extract from clinical morphologic registry at the Institute of Endocrinology & Metabolism data on patients from raions to be examined within the Project over the period of 1987-1997. 7.2 Start to select archival histologic material on thyroid cancer cases involved in the Project, to study specimens, and to establish histological archives on thyroid cancer for the period of 1987-1994.	3.0 1.0 3.0
8	*Input of data on place of living at the moment of accident for 107 000 of measured children in the May-June of 1986 with quality control.	30
9	*Design of database "Thyroid activity measurements" for use and analysis of dosimetry information	3
10	*Design and development of program applications, query formats and report for exploitation of database "Thyroid activity measurements"	9

For the U.S. Department of Energy
Office of Health Studies


Date: 3.06.96

For the Institute of Endocrinology and
Metabolism, Kiev, Ukraine


Date: 3.06.96

**Funding Arrangement
Between the
Department of Energy of the United States of America
and the
Institute of Endocrinology and Metabolism
for the U.S.-Ukraine Thyroid Study**

1. Background and Purpose

Under the auspices of the Joint Coordinating Committee for Civilian Nuclear Reactor Safety established by the Memorandum of Cooperation in the Field of Civilian Nuclear Reactor Safety signed on October 26, 1993, and extended by the United States and Ukraine on February 4, 1994, (hereinafter referred to as the MOC), the Department of Energy of the United States of America (DOE) and the Ministry of Health of Ukraine signed an Arrangement for Cooperation on May 10, 1995, to implement the Scientific Protocol for the Study of Thyroid Cancer and other Thyroid Disease in Ukraine following the Chernobyl Accident (hereinafter referred to as the UkrAm Thyroid Study)¹.

DOE and the Institute of Endocrinology and Metabolism (IEM) (hereinafter referred to as the Implementing Organizations) hereby establish the framework for the contribution, receipt, distribution, and accountability of funds to be provided by DOE in support of research activities to implement the May 10, 1995, Arrangement. The format for financial reporting requirements is described in Annex I.

Separate arrangements are being utilized to procure equipment and supplies used in the study, and \$500,000 from the U.S. Government are allocated for this purpose.

2. Implementing Organizations

This arrangement shall be implemented by the Director, Office of International Health Programs, of DOE and the Director of the IEM in Kiev, Ukraine.

3. Scope

This arrangement applies to funds transferred by the DOE to IEM for the purpose of support and services for activities directly related to the UkrAm Thyroid Study. The tasks and subtasks directly related to the study are detailed in Annex II.

¹ The U.S. agencies working together on this protocol are the DOE, the National Cancer Institute and the Nuclear Regulatory Commission.

4. Project Costs

Pursuant to the MOC and in furtherance of the Arrangement for Cooperation signed on May 10, 1995, DOE agrees to provide to the Director of IEM, under the terms and conditions in this arrangement and subject to the laws governing DOE, U.S. funds to be allocated, distributed, and used solely to defray additional/supplemental personnel costs incurred on work directly related to the development and implementation of the UkrAm Thyroid Studies. DOE will contribute a total of \$80,000 in U.S. currency as set forth in Section 5.

5. Contributions

5.1 DOE's contribution to the project will be provided every three (3) months for a one (1) year time period. DOE will contribute a total of \$20,000 in U.S. currency in each increment. DOE agrees to provide the first \$20,000 increment in U.S. currency upon fulfillment of the following conditions:

- (a) signature of this arrangement by both Implementing Organizations;
- (b) receipt by DOE of, and concurrence by both Implementing Organizations in, the milestones agreed to by U.S. and Ukraine for the first three (3) month funding period, set forth in Annex II;
- (c) receipt by DOE of an invoice from IEM that follows the format indicated in Annex I and includes the projected number of man-months to be worked to accomplish the tasks and subtasks for the first three (3) months as indicated in Annex II; and
- (d) a letter from Ukrainian National Office of International Projects (UNOIP) indicating that the funds will be used to support the UkrAm Thyroid Study, that the funds will be exempt from taxes and duties other than the 4 percent fee charge from the UNOIP consistent with Article III of the MOC, and providing the bank information necessary for the wire transfer of funds.

5.2 DOE will provide subsequent contributions for each increment provided that DOE receives the following:

- (a) an appropriate expenditure report for the previous three (3) months using the format specified in Annex I;
- (b) a brief report on the progress on tasks and subtasks stipulated or identified for the milestones/subtasks accomplished in the previous funding period as specified in Annex II with emphasis on the milestones for that period;

- (c) updated milestones covering the next three (3) months; and
- (d) an invoice from the ~~Ministry of Health~~ ^{IEM} describing the number of person-months anticipated to accomplish the updated milestones and maintain work on all the tasks in the next three (3) months.

Reports shall be sent to the DOE Office of International Health Programs with copies sent to the National Cancer Institute.

- 5.3 DOE's contributions under paragraphs 5.1 and 5.2 will be transferred directly to UNOIP to be used for the account of IEM. DOE's contribution will not be subject to taxes, duties, or other handling or administrative charges beyond modest bank transfer fees and the 4 percent fee charge by UNOIP.
- 5.4 Six (6) months after the effective date of this arrangement, DOE may decide to increase the amount of its contribution for the remainder of the year. DOE's decision to increase its contribution will be based on factors including, but not limited to: (a) the availability of funds; (b) progress made by the Institute during the previous six (6) months; and (c) based on such progress, the conclusion that a significant increase in man-months of effort would be necessary to meet the milestones for the remainder of the year.

6. Allocation and Expenditure of Funds

IEM will allocate and spend funds contributed by DOE in the following manner:

- (a) No more than ten (10) percent of the total of funds contributed to DOE shall be used for administrative or indirect costs of the UkrAm Thyroid Study;
- (b) Up to ten (10) percent of the total of all DOE monies may be spent for travel directly related to the UkrAm Thyroid Study;
- (c) The remainder of such funds shall be allocated and expended for supplementary personnel support. Personnel support includes primarily direct salary supplementation allocated and paid to individual project personnel based on the relative effort each person spends on the UkrAm Thyroid Study; and
- (d) IEM will pay individual project support personnel a minimum of \$50 in U.S. currency per month with a maximum five-fold increase depending upon the level of responsibility in the project, and will pay individual professional staff a minimum of \$100 per month in U.S. currency with a maximum five-fold depending upon the level of responsibility in the project.

7. Oversight

DOE representatives may visit IEM to review the administration of the UkrAm Thyroid Study and the accounting for the expenditure of U.S. funds at intervals not to exceed every six (6) months. IEM will provide office space in Kiev, and necessary information and assistance, to the DOE representative.

8. General Provisions

8.1 Cooperation under this arrangement will be in accordance with the laws and regulations under which each Implementing Organization operates. The implementation of this arrangement is subject to the availability of appropriated funds and to the mutual consent of the Implementing Organizations.

8.2 All questions related to the interpretation of this arrangement arising during its term shall be settled by mutual agreement.

9. Amendment and Termination

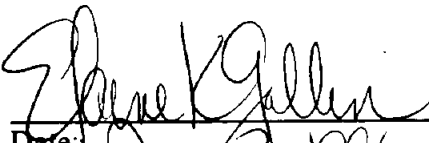
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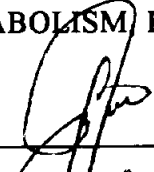
10. Effective Date and Duration

This arrangement shall become effective upon the date of last signature, and shall remain effective for one (1) year.

FOR THE DEPARTMENT OF ENERGY
THE UNITED STATES OF AMERICA


Date: June 3, 1996

FOR THE INSTITUTE OF
ENDOCRINOLOGY AND
METABOLISM, KIEV, UKRAINE


Date: 3.06.96

To Lynn R. Anspaugh,
Scientific Director

FAX (510) 4246408

Annex I: Invoice for the initial three-month period			
		Reporting Period:	
		Initial Invoice	
Institution:	Institute of Endocrinology and Metabolism (IEM)		
Address:	69 Vyngorodskaya St., 204119 Kiev, Ukraine		
Supporting Company:	Ukrainian Office of International Projects (UOPI)		
Address:	13 Chokolovsky Blvd., 252180 Kiev, Ukraine		
Name of Contact Person:	Telephone #:	Fax #:	
IEM	Prof. Nikolai Tronko	(044) 430-36-94	(044) 430-37-18
UOPI	Dr. Alex Platonov	(044) 242-10-90	(044) 242-73-51
Reporting Items			
A. Project Personnel Support	Person-Months*	Task	Amount in U.S. \$\$
	2	1.1	698
	2	1.2	698
	1	1.7	350
	1	2.1	350
	1	3.1	350
	15	4.1	5235
	0.5	5.1	177
	1	6.1	350
	5	6.2	1745
	3	7	1047
	30	8	3000
	3	9	1000
	9	10	3000
		Subtotal>	12,000
*Number of months worked by each person			
B. Administrative/Indirect Costs			Amount in U.S. \$\$
Fee to the Ukrainian Bureau of International Projects			\$800
Administration charges			\$1,200
		Subtotal>	\$2,000
C. Travel Costs			Amount in U.S. \$\$
		Subtotal>	
		Total Costs	20,000

Prof. Nikolay
Tronko.

[Signature]

ANNEX II

Definition of Terms:

Tasks Broad project functions, most of which are expected to continue throughout the project.

Subtasks Specific aspects of individual tasks.

The UkrAm Thyroid Study will consist of a number of tasks. Some of these tasks may begin or be completed at different times, while others, such as the clinical examination of the cohort and dose estimation, are expected to continue for many years. As the study progresses, some tasks may be re-defined and others added.

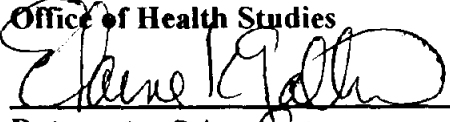
It is expected that during each funding period work will progress on many, if not all of the tasks and subtasks. However, certain subtasks have been chosen to use as indicators of the progress of a particular task during a given funding period. These are referred to as milestones.

The milestones chosen for the first three months are indicated by asterisks. It is expected that at the end of the first funding period, a brief narrative progress report covering the progress for each task will be submitted to DOE. In this report special emphasis will be placed on describing the accomplishment of the subtasks identified as milestones for that time period.

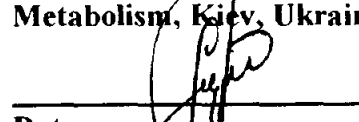
	Task	man x month
1	The management and administration	
	*1.1 Define organizational structure of the Thyroid Study and identify persons responsible for each task.	2.0
	*1.2 Identify personnel to accomplish the Project.	2.0
	1.3 Start to equip the office and other required spaces with all necessary facilities.	2.0
	1.4 Start to develop operations manual for the Project.	8.0
	1.5 Develop study forms according to the Protocol.	8.0
	1.6 Establish quality control for the Project.	1.0
	*1.7 Select members of the Oversight Committee, define its function and working schedule.	1.0
	1.8 Provide continuous communication between the Ukrainian and American sides by means of oral and written translations (both from English and into English).	3.0
2	The establishment of the cohort	
	*2.1 Define eligibility criteria.	1.0
	2.2 Start to identify location of some subjects from cohort, establish contact with these subjects.	6.0
3	Bring in subject for endocrinologic screening	
	*3.1 Prepare letters of invitation.	1.0
	3.2 Test various appeals to the subjects, make a schedule for their examination.	1.0
4	The endocrinologic examination of the subjects	

	*4.1 Train specialists for screening, carry out certification. 4.2 Obtain, install equipment for screening and start its operation. 4.3 Consider filling in the study forms. 4.4 Provide storage of reagents, inventory control.	15.0 3.0 2.0 2.0
5	The establishment and operation of the central laboratory *5.1 To prepare space for ultrasound examination, fine-needle aspiration biopsy. 5.2 Complete preparations for storage of blood. 5.3 Adapt software for ultrasound examination.	0.5 0.5 3.0
6	The establishment and operation of Data Coordinating Center *6.1 Equip rooms with technical facilities. *6.2 Design software for archival storage of the examination data.	1.0 5.0
7	Pathology support for diagnosis of various forms of thyroid pathology *7.0 Collection of morphologic material (establishing morphologic bank) in the raions covered by the cohort so that this morphologic material is ready for analysis by the moment when the cohort is established. 7.1 Extract from clinical morphologic registry at the Institute of Endocrinology & Metabolism data on patients from raions to be examined within the Project over the period of 1987-1997. 7.2 Start to select archival histologic material on thyroid cancer cases involved in the Project, to study specimens, and to establish histological archives on thyroid cancer for the period of 1987-1994.	3.0 1.0 3.0
8	*Input of data on place of living at the moment of accident for 107 000 of measured children in the May-June of 1986 with quality control.	30
9	*Design of database "Thyroid activity measurements" for use and analysis of dosimetry information	3
10	*Design and development of program applications, query formats and report for exploitation of database "Thyroid activity measurements"	9

For the U.S. Department of Energy
Office of Health Studies


Date: 3.06.96

For the Institute of Endocrinology and
Metabolism, Kiev, Ukraine


Date: 3.06.96

Dr Elaine Gallin
U.S. Department of Energy
Washington, DC 20845
301-903-1413 (Fax)

5 July 1996

*The main obligations of Ukrainian Office of International Projects
for Institute of Endocrinology and Metabolism of the Academy Medical of Sciences of
Ukraine*

Moneys directed by Department of Energy to Ukraine in the frame on the Ukrainian - American Scientific Program on the Study of Thyroid Cancer and other Thyroid Diseases in Ukraine Following the Chernobyl Accident to support non-profit scientific activity of Ukrainian scientists who are working on the questions of the execution of this agreement.

With the security of efficient use of this money as a charitable donation according to the Ukrainian legislation the Ukrainian Radiation Protection Institute authorizes the Ukrainian Office of International Projects to carry out the operations on behalf of the Institute of Endocrinology and Metabolism of the Academy Medical of Sciences of Ukraine:

- Processing and organizing payment for this scientific funding arrangement
- Providing some service for business trips out of country
- Buying essential equipment and material for this work on Ukrainian territory, if it's necessary
- Customs legalization of cargoes received (equipment and materials) important to Ukraine in the frame of this agreement
- Coordination with active Ukrainian legislation of the order of the records of financial and other activities of residents and nonresidents of Ukraine - who are collaborating in the frame of the agreement

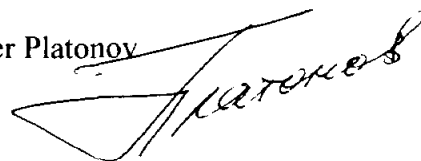
Director of the Institute of Endocrinology and
Metabolism of the Academy Medical of Sciences
of Ukraine

Prof.. Nikolai Tronko



General Director of the Ukrainian Office of
International Projects

Dr. Alexander Platonov



**Українське Бюро
Міжнародних Проектів**

Україна, 252180, Київ, Чоколівський бульвар, 13
телефон: (044) 242-40-91
факс: (044) 243-73-51, 272-02-48
E-mail: platonov@topaz.kiev.ua



**Ukrainian Office
of International Projects**

13, Chokolovsky blvd, 252180, Kiev, Ukraine
phone: (044) 242-40-91
fax: (044) 243-73-51, 272-02-48
E-mail: platonov@topaz.kiev.ua

D-r Elaine Gallin
U.S. Department of Energy
Washington, DC 20845
301-903-1413 (Fax)

5 July 1996

Dear D-r Gallin

On behalf of the **Ukrainian Office of International Projects** I am pleased to inform you that we agree to the following:

1. To transfer funds for supporting the Study of Thyroid Cancer and other Thyroid Diseases in Ukraine Following the Chernobyl Accident in according to Invoices singed by Prof. N. Tronko and Dr. A. Platonov to Correspondent American Bank:

Name:	BANKERS TRUST CO NEW YORK
Account Number (USD):	04-401-215
SWIFT:	BKTR US 33
Street Address:	280 PARK AVENUE, N.Y. 10017
City, Country, and Zip Code:	New York, USA

2. At this Prof. N. Tronko **has be mentioned as the responsible person for receiving this funds, with indication of his passport number: XI-MA 529472;**
3. This transmitted letter has to include very important sentence: **"Purpose of payment: for supporting the non-profit scientific activity. Scientific grant"**.

Realization of these conditions will be **guaranteed the tax exemption** of transmitted funds.

Sincerely yours,

Dr. A. Platonov
General Director

Ann M.Ecton,
Office of International
Health Programs (EH-63),
U.S. Department
of Energy
Fax: (301) 903-1413

Prof. Nikolai Tronko
Director of
Institute of
Endocrinology and
Metabolism
Vyshgorodskaya Str. 69
Kiev 254114
Ukraine
Fax (044)4303718

4 July, 1996

Dear Dr.Ecton,

Thank you for your fax of June 21, 1996. I was away from Kiev at that time, that is why I could not respond to it immediately.

Dr.Anspaugh and Dr.Bouville were so kind to take this letter to you.

As to paragraph (c) of issue 5.1 I would like to inform you that Dr.Gallin has got Annex II which we signed together on June 3,1996. This document includes all the initial tasks and subtasks, and the subtasks for the first three months, identified as milestones for this time period, are indicated by asterisks. Totally, they make 73.5 man x months.

As to Annex I, as far as we understand, at present it is just an empty form (Dr.Gallin has got it too) which will be filled in after the work has started and the first part of money has been received. Then, after the work is done and money is distributed in accordance with the contribution of each participant, administrative costs are defined, we shall fill in this form and submit it to you. If we are to do it immediately, before we get the money, please tell us and we shall do it because we have already started working on the project.

As to paragraph (d) of issue 5.1 we also submit to you a letter from UNOIP through Dr.Anspaugh and Dr.Bouville.

Many thanks for your work on the processing of the project documents.

With best regards,
Sincerely yours



Prof. N.D.Tronko.

To Lynn E. Anspaugh,
Scientific Director

FAX (510) 4246408

Annex I: Invoice for the initial three-month period			
		Reporting Period:	
		Initial Invoice	
Institution:		Institute of Endocrinology and Metabolism (IEM)	
Address:		60 Vyngorodskaya St., 201119 Kiev, Ukraine	
Supporting Company:		Ukrainian Office of International Projects (UOPI)	
Address:		13 Chokolovsky Blvd., 252180 Kiev, Ukraine	
Name of Contact Person:		Telephone #:	Fax #:
IEM		Prof. Nikolai Tronko	(044) 430-30-94 (044) 430-37-18
UOPI		Dr. Alex Platonov	(044) 242-40-90 (044) 242-73-51
Reporting Items			
A. Project Personnel Support	Person-Months*	Task	Amount in U.S. \$\$
	2	1.1	698
	2	1.2	698
	1	1.7	350
	1	2.1	350
	1	3.1	350
	15	4.1	5,135
	0.5	5.1	177
	1	6.1	350
	5	6.2	1,745
	3	7	1,047
	30	8	3,000
	3	9	1,000
	9	10	3,000
		Subtotal>	18,000
*Number of months worked by each person			
			Amount in U.S. \$\$
B. Administrative/Indirect Costs			\$\$
Fee to the Ukrainian Bureau of International Projects			\$800
Administration charges			\$1,200
Subtotal>			\$2,000
C. Travel Costs			Amount in U.S. \$\$
Subtotal>			
Total Costs			20,000

Prof. Nikolay
Tronko

[Signature]

To Lynn E. Anspaugh,
Scientific Director

FAX (510) 4246408

Annex I: Invoice for the initial three-month period	
Reporting Period:	
Initial Invoice	
Institution:	Institute of Endocrinology and Metabolism (IEM)
Address:	60 Vyngorodskaya St, 201119 Kiev, Ukraine
Supporting Company:	Ukrainian Office of International Projects (UOPI)
Address:	13 Chokolovsky Blvd, 252180 Kiev, Ukraine
Name of Contact Person:	Telephone #:
IEM	Prof. Nikolai Tronko (044) 430-30-94
UOPI	Dr. Alex Platonov (044) 242-40-90
	Fax #:
	(044) 430-37-18
	(044) 242-73-51
Reporting Items	
A. Project Personnel Support	Person-Months*
	Task
	Amount in U.S. \$\$
	1.1 698
	1.2 698
	1.7 350
	2.1 350
	3.1 350
	4.1 3235
	5.1 177
	6.1 350
	6.2 1245
	7 1047
	8 3000
	9 1000
	10 3000
*Number of months worked by each person	Subtotal> 18,000
B. Administrative/Indirect Costs	Amount in U.S. \$\$
Fee to the Ukrainian Bureau of International Projects	3800
Administration charges	1,200
	Subtotal> 2,000
C. Travel Costs	Amount in U.S. \$\$
	Subtotal>
	Total Costs 20,000

Prof. Nikolay
Tronko.



To Lynn R. Anspaugh,
Scientific Director

FAX (610) 4246408

Annex I: Invoice for the initial three-month period	
Reporting Period:	
Initial Invoice	
Institution:	Institute of Endocrinology and Metabolism (IEM)
Address:	60 Vyngorodskaya St., 201119 Kiev, Ukraine
Supporting Company:	Ukrainian Office of International Projects (UOIP)
Address:	13 Chokolovsky Blvd., 252100 Kiev, Ukraine
Name of Contact Person:	Telephone #:
IEM	Prof. Nikolai Tronko (044) 430-30-94
UOPI	Dr. Alex Pletonov (044) 242-40-90
	Fax #:
	(044) 430-37-18
	(044) 242-73-61
Reporting Items	
A. Project Personnel Support	Person-Months*
	Task
	Amount in U.S. \$\$
	1.1 688
	1.2 688
	1.7 350
	2.1 350
	3.1 350
	4.1 52.95
	5.1 177
	6.1 350
	6.2 1245
	7 7047
	8 3000
	9 1,000
	10 1,000
*Number of months worked by each person	Subtotal> 18,000
B. Administrative/Indirect Costs	Amount in U.S. \$\$
Fee to the Ukrainian Bureau of International Projects	\$800
Administration charges	\$1,200
	Subtotal> \$2,000
C. Travel Costs	Amount in U.S. \$\$
	Subtotal>
	Total Costs 20,000

Prof. Nikolay
Tronko.

